

**HOUSE BILL NO. 717: BILL TO RATIFY WATER RIGHTS COMPACT BETWEEN
STATE OF MONTANA and
UNITED STATES FISH AND WILDLIFE SERVICE for the
BOWDOIN NATIONAL WILDLIFE REFUGE**

INTRODUCTION

Since 1995, the Montana Reserved Water Rights Compact Commission (RWRCC) and the United States Fish and Wildlife Service (FWS) have been in active negotiations concerning federal reserved water rights for the Bowdoin National Wildlife Refuge (the Refuge), located just east of Malta, Montana. The parties have now reached a settlement (Compact) to present to the Legislature.

BACKGROUND

Bowdoin National Wildlife Refuge, located in Phillips County near Malta, was established in 1936 and expanded in 1940 to be a refuge and breeding ground for migratory birds. The 15,551-acre Refuge is utilized by nearby communities as an environmental education resource and generates tourist dollars through wildlife viewing and hunting activities. The Refuge sits in a low-lying wetland alongside the floodplain of Beaver Creek. Historically, these lands were fed by large floods that spilled out of the banks of Beaver Creek. With the development of the Milk River Project, these lands began to receive irrigation return flows from the Project along with some direct deliveries via the Dodson Canal. Diking installed after the creation of the Refuge reduced the ability of the Refuge lands to receive flood flows from Beaver Creek. At the same time, water development upstream has contributed to a reduction of Beaver Creek flows, further diminishing the supply of water available to the Refuge. In the early years of the Refuge, FWS managers tried to conserve their water supply by limiting the volume of water released from the Refuge, causing a buildup of salts through evapoconcentration. Irrigation return flows have also become a source of additional salts. At current salinity levels, the Refuge is legally prohibited from releasing any water due to water quality regulations. Currently, the only way salts can escape the Refuge is when winds blow salt crusts away, or when large floods push saline water from the Refuge downstream into Beaver Creek. Neither of these is a sustainable management strategy. The Refuge is currently embarking on a comprehensive planning process to determine how best to address its long-term management options. Quantifying the Refuge's federal reserved water rights in the proposed Compact is a first step toward ensuring the sustainability of the Refuge as positive rather than negative part of the local community.

PROPOSED COMPACT

The Compact recognizes federal reserved water rights for the Bowdoin National Wildlife Refuge from three sources – surface flows from Beaver Creek, surface flows that drain naturally into the Refuge (predominantly from Black Coulee), and ground water. These federal reserved rights are subordinated to all water rights existing under State law as of the Effective Date of the Compact, as well as to all future development excepted from State permitting law (such as small domestic and stock uses). The Refuge's federal reserved rights are also conditioned on the execution of a Memorandum of Understanding (still being developed) that will establish additional restrictions on the use of these rights to ensure that they do not exacerbate the Refuge's salt problems. In addition, the Water Court basin in which the Refuge is located (Basin 40M) was closed to new surface appropriations by the Legislature in 2001 as part of its ratification of the Ft. Belknap Water Rights Compact. Below is a summary of the key provisions of the Compact.

FEDERAL RESERVED WATER RIGHTS

Subject to the subordination requirement, the Compact assigns the FWS federal reserved water rights for:

- 24,714 acre-feet per year from Beaver Creek;
- Surface flows in Basin 40M that drain naturally into the Refuge;
- 223 acre-feet per year of ground water extracted from any source from wells located on the Refuge;
- 5300 acre-feet per year of deep ground water extracted from wells located on the Refuge that must be drilled into geologic formations dating to the Jurassic Period or older

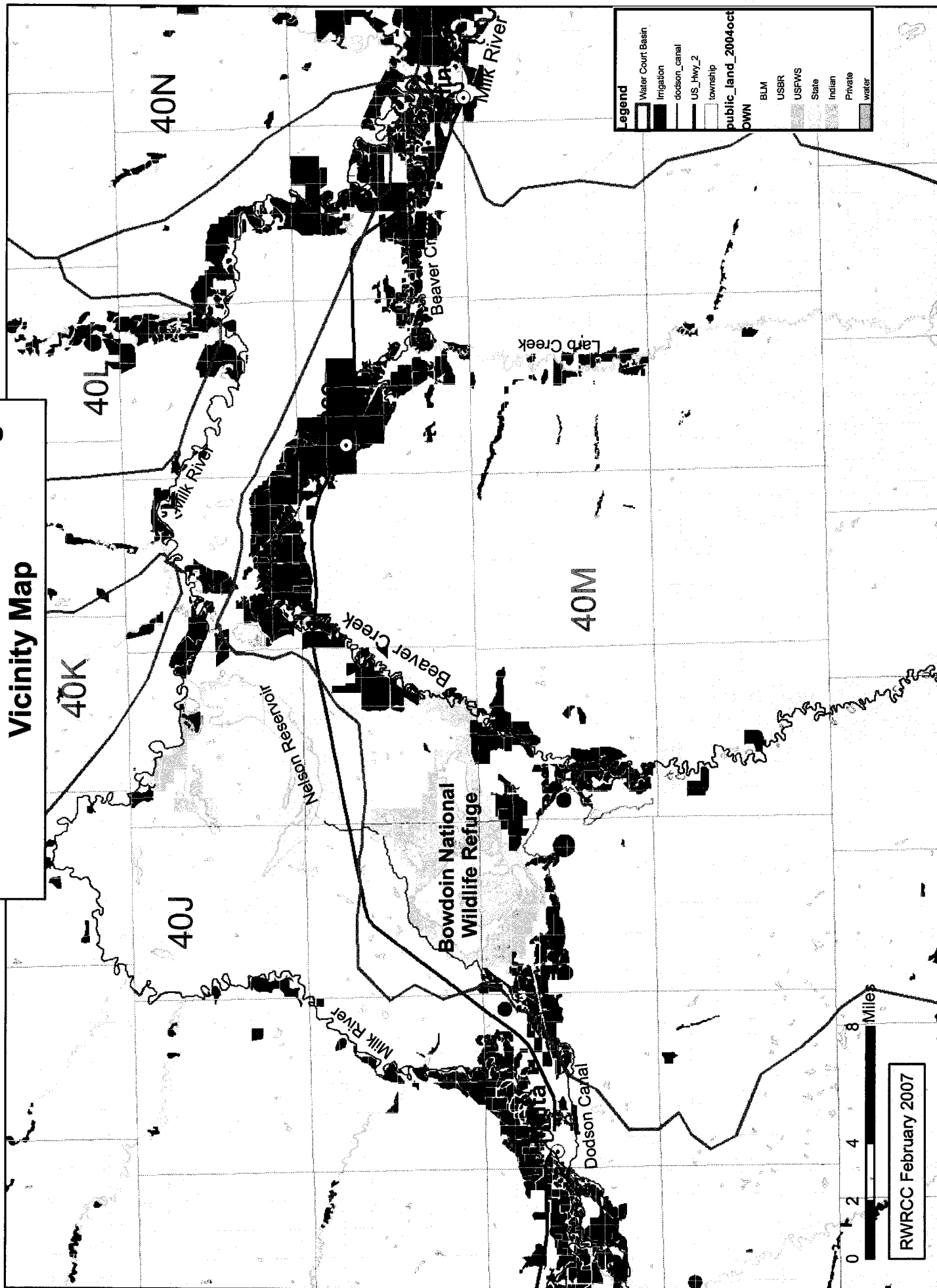
DEEP GROUND WATER

In the negotiations, FWS made a request for recognition of a significant ground water right. The RWRCC was concerned about the impacts recognition of such a right might have on both existing users and on those who might develop a ground water right in the future and yet risk be displaced by the FWS by virtue of the senior priority of an undeveloped federal reserved right. At the same time, the RWRCC recognized that the introduction of new (ground) water into a water short area would be of benefit to both the FWS and the off-Refuge community. The Compact resolves these issues by subordinating all the Refuge's water rights to existing uses and also by specifically providing that the bulk of FWS' ground water right may only be satisfied with water extracted from deep aquifers, sources in all probability large enough to be shared by FWS and others who might drill down into them. This depth requirement is defined in the Compact as a requirement that the FWS may only exercise the right by drilling wells into geologic formations of the Jurassic Period or older. Such formations are likely located at least 2600 feet beneath the Refuge's surface, and are relatively straightforward for a well driller to identify. The Compact also requires the FWS to comply with State permitting requirements (including water quality standards) prior to developing its deep ground water right.

PUBLIC INPUT

All negotiating sessions were noticed and open to the public. In addition, in 2004 RWRCC staff convened an *ad hoc* local advisory committee comprised of irrigators and other community members concerned about and/or affected by the salt problems at the Refuge for the purpose of soliciting feedback about proposed settlement concepts. Additional public meetings with interested individuals and groups have also been held. On February 6 and 7, 2007, RWRCC Commissioner Gene Etchart and RWRCC staff held two open houses in Malta, Montana, to visit with and receive input from interested members of the public about the proposed Compact. On February 21, 2007, the Milk River Joint Board of Control expressed concern that the Compact does not provide a comprehensive solution to the Refuge's salt problems. The Compact, however, ensures that the Refuge does not use its federal reserved water rights to exacerbate those problems, and instead incentivizes the FWS to resolve those problems in a way that causes no harm to downstream water users. Moreover, the ultimate solutions selected by the FWS will be subject to all applicable State and federal environmental laws, including the public process mandated by the National Environmental Policy Act.

Bowdoin National Wildlife Refuge Vicinity Map



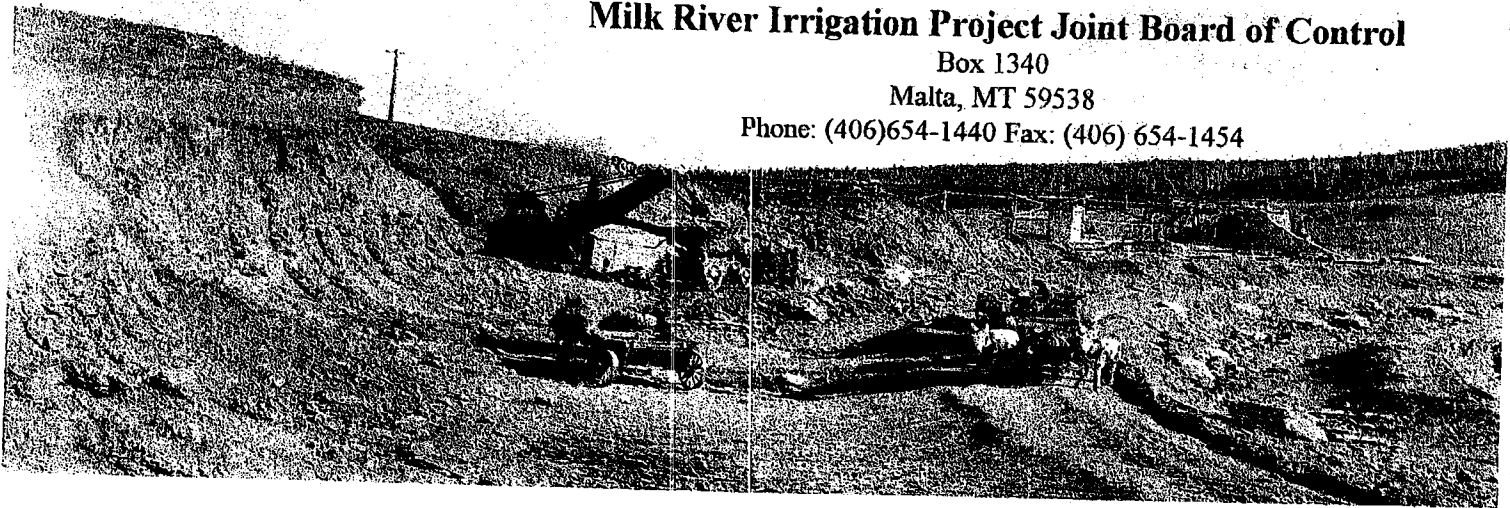
AGE	ERA	PERIOD	EPOCH	GEOLOGIC FORMATION	
PRESENT	CENOZOIC	QUATERNARY	HOLOCENE	STRATIGRAPHIC COLUMN OF FORMATIONS OCCURRING AT OR BELOW THE SURFACE NEAR BOWDOIN NWR	
65.5 million years ago		TERTIARY	PLIOCENE		
			MIOCENE		
			OLIGOCENE		
			EOCENE		
	PALEOCENE				
145 mya	MESOZOIC	CRETACEOUS	UPPER	GROUND SURFACE AT BOWDOIN	
				CLAGGET SHALE	PIERRE SHALE
				EAGLE	
				NIOBRARA SHALE	COLORADO GROUP
			CARLILE SHALE		
			GREENHORN FORMATION		
			BELLE FOURCHE SHALE		
			MOWRY SHALE		
			LOWER	MUDDY-NEWCASTLE SANDSTONE	
		SKULL CREEK SHALE			
		BASAL COLORADO S.S., FALL RIVER S.S.			
		KOOTENAI		FUSON SHALE	
				LAKOTA S.S.	
		199 mya	JURASSIC	UPPER	MORRISON FORMATION
MIDDLE	SWIFT FORMATION				
LOWER	RIERDON FORMATION				
251 mya	TRIASSIC	UPPER	PIPER FORMATION		
		MIDDLE	NESSON FORMATION		
		LOWER	DISCONFORMITY		
290 mya	PALEOZOIC	PERMIAN	UPPER	DISCONFORMITY	
			LOWER		
		PENNSYLVANIAN	UPPER	PINE SALT	
			MIDDLE	MINNEKAHTA LS	
			LOWER	OPECHE FM	
		MISSISSIPPIAN	UPPER	HEATH FM	
				BIG SNOWY GROUP	
			LOWER	KIBBEY FORMATION	
				CHARLES FORMATION	
				MISSION CANYON LIMESTONE	
		DEVONIAN	UPPER	LONGFORD LIMESTONE	
				BAKKEN FORMATION	
				THREE FORKS FM	
			MIDDLE	BIRD BEAR NISKU FORMATION	
				DUPEROW FORMATION	
SOURIS RIVER FORMATION					
DAWSON BAY FORMATION					
LOWER	WINNIPEG-ELK POINT GROUPS				
	DISCONFORMITY				
443 mya	SILURIAN	UPPER	INTERLAKE FORMATION		
		MIDDLE	DISCONFORMITY		
		LOWER	DISCONFORMITY		
490 mya	ORDOVICIAN	UPPER	STONY MOUNTAIN FORMATION		
		MIDDLE	DISCONFORMITY		
		LOWER	RED RIVER FM		
543 mya	CAMBRIAN	UPPER	WINNIPEG FORMATION		
		MIDDLE	DEADWOOD FORMATION		
		LOWER	DISCONFORMITY		
1.7bya	PRECAMBRIAN		W X Y & Z	GRANITIC BASEMENT ROCKS	

Milk River Irrigation Project Joint Board of Control

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February 20, 2007

Montana Water Rights Compact Commission
Attention: Jay Wiener

Dear Jay,

You have attended our Joint Board meetings regularly to update us and we appreciate this, but the board feels that you came assuring us that there would be no compact until they cleaned up their saline problem. You have indicated that one of their suggestions to address this problem has been that they will release water from the refuge into Beaver Creek, which empties into the Milk River. This concerns us, especially the irrigators downstream on Beaver Creek and the Milk River. Many of our irrigators are paying thousands of dollars to clean up their feedlots that were too close to the Milk River and feel this release of water would be an ongoing thing and worse than the feedlot problem.

Today you are having a hearing, asking for this compact to be approved, with a Memorandum of Understanding attached, but the saline problem has not been resolved and you have indicated that the Refuge was not sure how they were going to address this problem. We feel you are going to the legislature with a compact, leaving the issues unresolved.

The Milk River Joint Board feels that at this point, we cannot support your proposed compact with the U.S. Bowdoin Fish and Wildlife Refuge.

Sincerely,


JBOC Vice President

Essential Elements of the Bowdoin National Wildlife Refuge Water Rights Compact

- * Subordination of FWS water rights to all existing users and to all future small domestic and stock users (no future big users can exist, as the basin is currently closed to such new appropriations)
- * Subject to the subordination, FWS has federal reserved rights to water from Beaver Creek, from surface flows that drain naturally onto the Refuge, and from underground sources
- * The bulk of the FWS' ground water right is limited to being extracted from deep wells so as to ensure that the Refuge cannot affect surface flows or deplete a more readily available aquifer
- * Before FWS can develop its deep ground water right, it must go through the State permitting process and demonstrate, among other things, that its use of deep ground water will have no adverse impact on any existing user and that the ground water is of sufficient quality to help rather than hurt the Refuge
- * The FWS may not change its use of any of these rights unless it goes through the State change of use process, which includes a showing that any proposed change shall not adversely impact any existing water right holder
- * Exercise of the rights quantified in the Compact is also conditioned on the execution of an MOU (still being developed) that will set conditions on the use of those rights so as to ensure that the rights cannot be used to worsen the Refuge's existing salt problems
- * If the MOU is not executed within 5 years of approval of the Compact by the Montana legislature, the State is free to withdraw from the Compact
- * If the FWS, at any point after the execution of the MOU, tries to withdraw from the MOU unilaterally, the State is free to withdraw from the Compact
- * Nothing in this Compact gives the FWS any federal reserved right to water in the Milk River or from the Milk River Project (FWS has a separate *contract* right to up to 3500 acre-feet of water from Fresno Reservoir, which exists wholly apart from the Compact)